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May 21, 2008

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Commissioner for Patents  
PO Box 1450  
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**Art Unit 2611**

**Attn: Mail Stop Certificate of Correction Branch**

Re: U.S. Utility Patent  
Patent No. 7,369,617 B2; Issued: May 6, 2008  
For: **Multi-Dimensional Data Interleaving Communications System and Method**  
Inventor: Scott POWELL  
Our Ref: 1875.4270001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Certificate of Correction Under 37 C.F.R. § 1.322; and
2. Form PTO/SB/44 (1 sheet).

The above-listed documents are filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

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JDE/n-h  
Enclosure(s)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

Scott POWELL

Patent. No.: 7,369,617 B2

Issued: May 6, 2008

For: **Multi-Dimensional Data  
Interleaving Communications  
System and Method**

Confirmation No.: 3418

Art Unit: 2611

Examiner: Khai Tran

Atty. Docket: 1875.4270001

**Request for Certificate of Correction  
Under 37 C.F.R. § 1.322**

*Attn: Certificate of Correction Branch*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. § 1.322 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by the U.S. Patent and Trademark Office.

Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

In column 8, Line 17, please replace "dc-interleaves" with --de-interleaves--. Spelling error in Claim 9 was made by the PTO and was filed correctly in 1.312 Amendment on January 1, 2008. Therefore, the patent should have issued with column 8, line 17 -- de-interleaves -- instead of " dc-interleaves ".

In column 8, Line 41, please replace "dc-interleaves" with --de-interleaves--.  
Spelling error in Claim 13 was made by the PTO and was filed correctly in 1.312 Amendment on January 1, 2008. Therefore, the patent should have issued with column 8, line 41 -- de-interleaves -- instead of " dc-interleaves ".

In Column 10, Lines 4-11, please replace currently issued Claim 18 with Claim 18 as originally filed on February 26, 2004, and as filed subsequently in the 37 C.F.R. §1.312 Amendment on January 1, 2008.

<b>Column A: Incorrect Claim 18 in 05/04/07 and 10/03/07 Amendments</b>	<b>Column B: Correct Claim 18 as originally filed and unamended and as shown in 01/01/08 Amendment</b>
18. The method of claim 17, wherein step (a) further comprises: (a1) using a multi-dimensional signal as the first signal; (a2) directing each dimension of the multi-dimensional first signal along a separate conductor; and (a3) encoding each dimension of the multi-dimensional first signal, wherein steps (b)-(d) are performed for each dimension.	18. The system according to claim 17, wherein: a first stage of the de-interleaving system de-interleaves each of the frequency tones of each of the transmission signals and possible error signals combined with the transmission signals during transmission to form third signals; a first stage of the de-multiplexing system combines all the frequency tones for each dimension of the third signal to form a fourth signal; the second stage of the de-interleaving system de-interleaves each of the fourth signals to form fifth signals; and a second stage of the de-multiplexing system combines the fifth signals to form a sixth signal.

In the Amendment under 37 C.F.R. §1.111, filed May 4, 2007, and in the Amendment under 37 C.F.R. §1.116, filed October 3, 2007, the Applicant inadvertently

listed Claim 18 (Column A) instead of Claim 18 (Column B). This was a clerical error. However, the Applicant noticed this clerical error, and in the Amendment under 37 C.F.R. §1.312 filed January 1, 2008, corrected this error. Therefore, the patent should have issued with Claim 18 as listed above in Column B.

***Remarks***

The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg  
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Date: May 21, 2008

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO: 7,369,617 B2

DATED: May 6, 2008

INVENTOR(S): Scott POWELL

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

**Column 8**

Line 17, please replace "a de-interleaver that dc-interleaves the third signal to" **with** -- a de-interleaver that de-interleaves the third signal to--.

**Column 8**

Line 41, please replace "a de-interleaver that dc-interleaves the third signal and a" **with** -- a de-interleaver that de-interleaves the third signal and a--.

**Column 10**

Lines 4-11, please replace current Claim 18:

18. The method of claim 17, wherein step (a) further comprises:
- (a1) using a multi-dimensional signal as the first signal;
  - (a2) directing each dimension of the multi-dimensional first signal along a separate conductor; and
  - (a3) encoding each dimension of the multi-dimensional first signal, wherein steps (b)-(d) are performed for each dimension.

**WITH** Claim 18, as originally filed:

18. The system according to claim 17, wherein:
- a first stage of the de-interleaving system de-interleaves each of the frequency tones of each of the transmission signals and possible error signals combined with the transmission signals during transmission to form third signals;
  - a first stage of the de-multiplexing system combines all the frequency tones for each dimension of the third signal to form a fourth signal;
  - the second stage of the de-interleaving system de-interleaves each of the fourth signals to form fifth signals; and
  - a second stage of the de-multiplexing system combines the fifth signals to form a sixth signal.

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.